sians are developing we to be stationed in orbit.

weapons oit. Weap-

techniques

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THE NEW YORK TIMES, SUNDAY, AUGUST 20, 1967

Russia May Be Testing 1 the Re-Entry of Weapons From Space

WASHINGTON, Aug. testing some American by the Soviet Union mean that the Rustechniques Russians officials or space ē

tember in tional weapons. ested with or without the The flights began last Sepweapons, and the try techniques can either nuclear what ç same convenbe used unusua use Ę.

days ago. The most recent flight in secrecy even for the Russians. of seven was made

U.N. Resolution Recalled

Since before the space age began, military analysts have discussed the possibility of sta-tioning weapons in orbit. The ercept other missiles launched/mass destruction in deas and inspection-interceptor this proposed have included and manned bom-

United Nations resolution, resolved. But the question of whether them is prohbits the development Ev

IN AN SOVIE CHAN CNION West of LIGHT

Launching site is at cross.

bit around the earth."

That flight, on Sept. 17, 1966, flight for a very short time. reconnaissa was made from Tyuratam in This time, Russia announced in the pa Kazakhstan. Its angle of incli-the flight as Cosmos 139, pre-centor mis to be a test of such a weapon. however, did the Russians con-Not until

hicle was observed by Western tracking stations to break into Soon after launching, the ve-

flights, according to officials. launching of either vehicle, al-complete each revolution in though it has long used its so-space. 1966, a similar shot was made. Russia did least 80 pieces. On Nov. series to disguise cosmos satel-American

sta-adopted by the General Assem-officials disclosed their The bly in 1963 with Soviet sup-cern over these two fliuded port, calls upon all states to re-finally listing them in ard in-frain from placing weapons of ficial catalogue even the In December, 1966, American con-mos number. since. Each was given a Cos-

Suppec that, some to confuse on the first or any other ordeliver nuclear warheads

duct a launching that appeared of pieces last September, angle. ones had. But it remained in not break into a great number

nation to the equator was dif-sumably deciding that Western ceptor missiles ferent from that of any previous detection and discussion of the not exist. less to pretend such

not report the that the satellite would take to space. peated at least four more times

wo flights, Both the United States and "We think the time is getting in an of-Russia are developing maneuv-ripe again," he said, "to look en though crable warheads for missiles—at the whole question because announced warheads that can alter their the costs of putting things in paths late in the flight in order orbit abandoned three years ago cause the work was "much costly." have

ers boasted in November, 1965, finally begun tests of the re-extensively of an "orbital missile" that entry of warheads from orbit. control of sia again On Jan. Tyuratam at a 49-degree launched 25 of this year, Ruswith its secret military flights. from orbital trajectories, even control

with the precise re-entry

vehicles

the two earlier flihgts and in military satellite reconnaissance flights, however in the Gemini civilian manned been explored Many of the techniques have In the past, objections to the ationing of bombs or inter-

But Soviet announcements vullerable and less critical did not report a period for Cost and some are costly and mos 139—the length of time scretive than earth-based two earlier flights made it use-pletely aside from the politica flights did considerations, critics have arsiles. been many and varied. secretive than earth-based misgued that orbiting systems are in orbit efficient

then a Pentagon scientist, re-minded Congressmen late last But Dr. Charles M. Herzfeld

experimented|come down significantly. matically, so that the over-a